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24273
Sept 53

COUNTRY: Japan

SUBJECT: Maidensha Electrical Manufacturing Co.

DATE OF INFO:

PLACE ACQUIRED:

SOURCE: Documentary

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General Information
As of May. 31, 1951

1. Name of Company (Romanji)
Kabushiki-Kaisha Meidensha
2. Name of Company (English Translation)
Meidensha Elec. Mfg. Co., Ltd.
3. Former Name
4. Address of Head Office
Nishishi-Osaki, 276, 2-chome Shinagawa-ku, Tokyo.
5. Address of Tokyo Office
Ditto.
6. Tokyo Telephone Number
Osaki(49) 3,151 3,101
7. Nature of the Company's Business
Manufacture and sale of electric machines and apparatus
8. Reporting Company's Fiscal periods end on what Date of Dates
Each Year.
Mar. 31 and Sept. 30
9. Total paid-up Capital ; Number of shares
¥100,000,000 3,200,000
10. Names of Five Largest Stockholders; Percent of Total Shares %

Yuzo Shigemune ;	6.1%
Yamaichi Bond-Share Co., Ltd. ;	5.6%
Fukoku Mutual Life Insurance Co., ;	5.3%
Daiwa Bond-Share Co., Ltd. ;	4.4%
Yuzo Shigemune, the guardian of Nobunasa Shigemune ;	4.0%
11. Name and location of offices, branches, and non-producing units, and number of employees at each.

<u>Name</u>	<u>Location</u>	<u>Number of employees</u>
Head Office	Tokyo	296
Nagoya Branch	Nishi-Biwajima, Aichi-ken	52
Fukuoka Agency	Fukuoka	5
Osaka Agency	Osaka	7
Hokuriku Agency	Yanazawa	5

12. Production Data

(Price Unit - 100 Yen)

Name and Location of All Factories	Number of Employees	Products	Production Capacity	Reported Average Monthly Output Since June 1951
				Value (Factory Price)
Osaki Factory (Tokyo)	968	Motor Generator Transformer Others	¥ 66,100 29,400 28,600	¥ 49,000 18,000 28,400 15,000
Shinagawa Factory (Tokyo)	624	Switch Crystal Oscillator Others	¥ 43,000 1,000	¥ 43,100 900 3,000
Nagoya Factory (Nishi-Biwajima, Aichi-Ken)	507	Motor	¥ 75,000	¥ 68,000
Heisaka Factory (Heisaka, Aichi-Ken)	186	Casting	¥ 5,000	¥ 4,500
Itabashi Factory (Tokyo)	25	Copper Bars for Electric Machines	¥ 2,000	¥ 2,100
Total	2,280		¥ 257,100	¥ 252,000

Name of Company in Romanji

Kabushiki-Kaisha Heideraba

Name of Company in English

Heideraba Electric Mfg. Co., Ltd.

Summary Balance Sheet

as of Mar. 31 1961.

(Assets)

Current assets in Japan
¥1,525,667,172

Investment in Japan
¥0,893,461

Fixed assets in Japan
¥90,542,212

Deferred charges
¥,870,000

Intangible assets
0

Other assets in Japan
0

Over-seas assets
0

Total assets 1,945,832,845

(Liabilities & Net Worth)

Current liabilities in Japan
1,341,609,462

Long-term liabilities in Japan
12,000,000

Deferred income

Liabilities reserves
¥2,000,000

Other liabilities in Japan
0

Over-seas liabilities
0

Total liabilities
1,353,609,462

Net worth
¥52,223,383

Total liabilities and net worth
1,945,832,845

Name of Company in Romanji

Kabushiki-Kaisha Meidensha

Name of Company in English

Meidensha Elec. Mfg. Co., Ltd.

Summary Profit and Loss Statement

For the period from Oct. 1, 1960
to Mar. 31, 1961

Operating Revenue (Net Sales)	¥ 794,669,009
Less : Cost of product sold	671,344,928
Gross profit	123,324,081
Less : Operating Expenses	65,459,169
Net Operating profit	57,864,912
Plus : Non-Operating Income	9,813,371
Gross Income	67,678,283
Less : Non-Operating Expenses	44,262,682
Net Profit	23,415,601

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GENERAL OUTLINE
of
MEIDENSHA
ELECTRIC MFG. CO., LTD.

Meidensha Electric Mfg. Co., Ltd.
TOKYO JAPAN

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MEIDENSHA CO., LTD.

(Meidensha Electric Mfg. Co., Ltd.)

LOCATION:

Main Office: 276, 2 chome, Higashi Osaki, Shinagawa-ku, Tokyo, Japan.

Factories:

- 1) Osaki Plant. Shinagawa-ku, Tokyo.
Rotating Machines, Transformers, etc.
- 2) Shinagawa Plant. Shinagawa-ku, Tokyo.
Switching equipment, Elec. Hoists, Elec. Ranges,
Heaters, Crystal Oscillators, etc.
- 3) Nagoya Plant. Nagoya Aichi Pref.
Standard Motors and Transformers, Loom & Spinning Motors.
- 4) Heisaka Plant. Heisaka Aichi Pref.
Casting parts and frames of motors, and all kinds of valves.

OFFICER:

Director and President: Yuzo Shigemune

HISTORY:

The company was established in December, 1897 by Mr. Hosui Shigemune, as a private business, to manufacture electric motors at Kyobashi, Tokyo. In 1912 the company moved into a new factory at Osaki, Shinagawa-ku, Tokyo (The present site of Osaki Factory).

In June, 1917 the company was changed to a joint stock company of which Mr. Hosui Shigemune was elected president.

In November, 1929 Mr. Yuzo Shigemune became managing director in charge of the company's affairs.

In 1935 Nagoya Factory was built.

Mr. Yuzo Shigemune became president of the company in 1938.

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Good Manufactured
BY
Meidensha Co., Ltd.

1. Single phase fractional HP. motors
- 2, 3 phase induction motors
- 3, Alternating current generators for direct connection to water wheels and internal combustion engines
- 4, Synchronous motors
- 5, Synchronous converters
- 6, Direct current generators and motors
- 7, Traction motors
- 8, Motor generators
- 9, Induction voltage regulators
- 10, Dynamometers
- 11, Transformers (Power and distribution transformers)
- 12, Electric hoists (1/2 ton - 5 ton hoists)
- 13, Switching equipment
- 14, Control apparatus
- 15, Lightning arresters
- 16, Electric ranges
- 17, All kind of Electric heaters
- 18, Crystal Oscillators

LIST

of

Hydro Power Plant Generators Manufactured by Meidensha

(Vertical Type / 1000 KVA Generator Unit Output)

			Customers	Year Delivered
		10	Kanto Electric Supply Co.	1925
		12	Misakubo Water P. Co.	1926
100	2	24	Chubu Electric Power Co.	1934
200	1	20	Sanriku Water P. Co.	1935
300	1	20	Kumamoto Electric Co.	1936
400	2	12	Hiroshima Electric Co.	1938
500	1	14	Watarase Water P. Co.	1938
600	2	12	Kumamoto Electric Co.	1940
700	1	24	Higashitagawa Electric Ass.	1940
800	2	24	Kokai Water P. Co. (Korea)	1940
900	2	12	Showa Denko Co.	1941
1000	1	12	Tohoku Shinko Co.	1941
1100	2	28	Kanagawa Pref. Gov.	1942
1200	2	10	Chugoku Electric Supply Co.	1942
1300	1	18	The Japan Electric G & T Co.	1945
1450	1	14	Kanto Electric Supply Co.	1948
1600	1	28	Ube Kosan Co.	1949
1800	1	28	The Japan Electric G & T Co.	1949
2000	1	14	The Japan Electric G & T Co.	1950
2200	1	10	The Japan Electric G & T Co.	1950
2400	1	20	Chugoku Electric Power Co.	1951

MEIDENSHA

2. Horizontal Type (Above 1000 KVA Generator Unit Output)

Capacity	No. of Units	No. of Poles	Customers	Year Delivered
1,100	1	10	Kyushu Paper Mfg. Co.	1959
1,125	1	10	Iwakuni Electric Power Co.	1959
1,125	2	10	Osegawa Water P. Co.	1959
3,250	1	16	Toyama Pref. Gov.	1959
4,000	1	12	Chuo Electric Co.	1959
2,700	1	12	Oji Paper Mfg. Co.	1959
1,000	2	8	Kanogawa Electric P. Co.	1959
3,200	1	10	Southern Korea water P. Co.	1959
3,750	1	12	Ibigawa Electric Co.	1959
1,000	1	8	Niigata Water P. Co.	1959
1,750	3	10	Nippon Water P. Co.	1959
3,200	2	10	Chuo Water P. Co.	1959
3,300	1	14	Nippon water P. Co.	1959
4,410	2	14	Tohoku Shinko Co.	1959
3,700	1	10	Tohoku Shinko Co.	1959
2,500	1	10	Tohoku Shinko Co.	1959
4,125	1	8	Arakawa Electric Power Co.	1959
7,200	1	16	Yamaguchi Pref. Gov.	1959
6,600	2	12	Toho Electric Power Co.	1959
3,800	1	14	Chuo Water P. Co.	1959
1,000	1	16	Toyama Pref. Gov.	1959
2,500	2	18	Toyama Pref. Gov.	1959
6,600	1	10	Tohoku Shinko Co.	1959
5,000	1	12	Toyama Pref. Gov.	1959
5,400	2	10	Tohoku Shinko Co.	1959
4,500	3	10	Sanyo Chuo Water P. Co.	1959
1,750	1	14	Toho Electric P. Co.	1959
1,050	1	16	Nippon water Power Co.	1959
4,440	1	14	Tohoku Electric Power Co.	1959

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LIST

of

Some of Mill Motors Manufactured by Meidensha

Above 1000 HP Motor Unit Output

Output HP	R. P. M.	Factory Names	Quantity	Year Delivered
1,200	83	Wakamatsu Plant, Tokai Steel Works		1929
1,000	200	Azuma Steel works		1932
1,500	500	Tsurumi Plant, Nakayama Steel works	1	1933
1,500	300	Amagasaki Plant, Osaka Steel Plate Co.	1	1934
1,200	375	Yamanaka Steel works	1	1934
1,500	240	Osaka Thinner Steel Plate Co.	1	1935
1,500	300	Nakayama Steel works	1	1935
1,000	100	Nippon Special Steel Tube Mfg. Co.	1	1935
1,500	240	Nakayama Steel Works	2	1935
1,500	400	Amagasaki Plant, Osaka Steel Co.	1	1935
2,000	250	Nakayama Steel Works	1	1936
2,000	100	Kamaishi Plant, Nippon Steel Co.	1	1936
1,800	250	Tokyo Steel Co.	1	1936
1,000	450	Amagasaki Plant, Nisso Steel Works	1	1936
1,500	300	Toto Steel Works	1	1936
1,000	1000	Nippon Special Steel Tube Mfg. Co.	1	1936
2,000	428	Otsu Heavy Industry Co.	1	1937
1,800	257	Amagasaki Plant, Otsu Heavy Industry Co.	1	1937
2,000	450	Amagasaki Plant, Otsu Heavy Industry Co.	1	1937
1,200	600	Tsurumi Plant, Tokyo Steel Co.	1	1937
2,000	240	Amagasaki Plant, Nakayama Steel Works	1	1937
1,000	250	Nakayama Steel Works	1	1937
1,000	250	Toto Steel Works	1	1938
1,200	150	Nippon Special Steel Tube Mfg. Co.	3	1938
1,200	250	Riken Steel Co.	1	1938
1,000	428	Mitsui Steel Works	1	1938
4,000	257	Kamaishi Plant, Nippon Steel Co.	2	1938
1,000	514	Nippon High Frequency Heavy Co.	1	1938
1,000	450	Nippon High Frequency Heavy Co.	1	1938
1,400	514	Kamaishi Plant, Nippon Steel Co.	1	1939
1,800	720	Kamaishi Plant, Nippon Steel Co.	2	1939
1,200	200	Kojima Electric Steel Works	1	1939
2,000	240	Nakayama Steel Works	1	1939
5,000	450	Kamaishi Plant, Nippon Steel Co.	1	1939
1,200	429	Tokyo Steel Co.	1	1939
2,000	240	Nakayama Steel Works	1	1939
1,000	400	Sanyo Steel Works	1	1939
1,000	600	Wanishi Plant, Nippon Steel Co.	1	1942
1,800	750	Wanishi Plant, Nippon Steel Co.	1	1942
1,000	375	Ishihara Steel Works	1	1942
1,400	500	Wanishi Plant, Nippon Steel Co.	1	1942
2,000	429	Manchuria Roll Co.	1	1943
1,000	360	Toa Special Steel Works	1	1945
1,000	600	Riken Heavy Industry Co.	1	1949
1,800	300	Osaka Dock Yard	1	1949
1,500	85	Wakamatsu Plant, Tokai Steel Works	1	1949
1,800	300	Oyodo Steel Co.	1	1951
1,500	333	Tokyo Steel Mfg. Co.	1	1951

MEIDENSHA



LIST

of

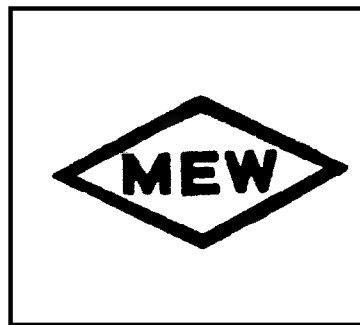
Some of Transformers Over 5000 KVA Manufactured by Meidensha

KVA	Phase	Fre- quency	Voltage		No. of Units	Customers	Year Delivered
			Prim. KV	Sec. KV			
5,000	3	60	33/11	3.3	2	Taiwan Elec. P. Co.	1935
5,000	3	60	30	3.3	2	Nippon Aluminium Co.	1936
5,000	1	60	66	22	4	Sanyo Chuo Water P. Co.	1936
6,000	3	60	110	11	2	Hiroshima Elec. Co.	1937
5,000	3	60	11	2.2	2	Honkeiko Steel Co. (Manchuria)	1937
8,000	3	50/60	42	3.3/2.2	2	Honkeiko Steel Co. (Manchuria)	1938
5,000	3	50	22	3.45	3	Nippon Steel Co.	1939
5,000	1	50	22	3.45	7	Nippon Steel Co.	1939
5,000	3	60	66/33	6.6/3.3	1	Taiwan Elec. P. Co.	1939
5,000	1	50	11	1.9/3.45	3	Nippon Steel Co.	1939
12,500	3	60	66	11	2	Korea Riken Metal Co.	1939
5,000	1	50	10.5	77	4	Mokyo Elec. P. Co. (China)	1939
5,400	3	50	6.3	66/3.45	1	Tohoku Shinko Co.	1940
7,500	1	50	77	11	4	Mokyo Elec. P. Co. (China)	1940
5,000	3	60	11	3.45	2	Nippon Steel Co.	1940
8,500	1	60	66	11/3.45	4	Nippon Gosei Chemical Co.	1940
5,000	3	60	22	3.45	3	Kawasaki Dock Yard	1940
5,000	3	60	11	3.45	2	Nippon Steel Co.	1940
5,000	3	60	44	6.9/3.45	4	Yamaguchi Pref. Gov.	1940
7,000	1	50	66	22/3.45	1	Keio Elec. R. Co.	1940
8,000	1	50	10.5	77	4	Mokyo Elec. P. Co. (China)	1941
5,400	3	50	6.3	66/3.45	1	Tohoku Shinko Co.	1941
10,000	3	60	66	3.45	2	Korea Chemical Co.	1941
10,000	1	60	100	60.6	4	The Japan Elec. G & T Co.	1941
31,250	3	50	10.5	66	2	The Japan Elec. G & T Co.	1941
5,000	3	50	66	3.3	2	The Japan Elec. G & T Co.	1941
12,500	3	50	6.3	33	1	Kahoku Elec. P. Co. (China)	1941
12,500	3	60	66	11	1	Korea Riken Metal Co.	1941
14,400	3	50	10.5	66/3.3	2	Kanagawa Pref. Gov.	1942
5,000	1	50	31.5	77	4	Kahoku Elec. P. Co. (China)	1943
5,000	3	50	33	3.45	1	Kahoku Elec. P. Co. (China)	1943
5,500	1	60	3.3	66/22	4	Hokuriku Electric Supply Co.	1943
31,250	3	50	10.5	77	1	Kahoku Elec. P. Co. (China)	1944
18,750	3	50	10.5	33	1	Kahoku Elec. P. Co. (China)	1944
5,000	3	50/60	73	22	6	Toa Special Steel Co.	1944
3,500	1	60	3.3	66/22	4	The Japan Elec. G & T Co.	1944
20,000	3	50	70/3.5	3.3	1	Nippon Steel Tube Co.	1944
5,000	3	50/60	66	33	4	Tohoku Electric Supply Co.	1948
5,000	1	50/60	66	22	4	Kansai Electric Supply Co.	1948
6,600	1	60	70	30/3.45	3	Hokuriku Elec Supply Co	1951

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MEIDENSHA

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Meidensha Electric Mfg. Co., Ltd.

HEAD OFFICE: 276, 2CHOME HIGASHI-OSAKI, SHINAGAWA-KU
TOKYO JAPAN

Tel. Osaka (49) 3151 (9), 3161 (4), 0171 (5)

Long Dist. (49) 3150

Cable Address: "MEIDEN TOKYO"

FACTORIES:

OSAKI PLANT - SHINAGAWA PLANT - NAGOYA PLANT - HEISAKA PLANT

1. History

The company was established in December 1897 by Mr. Hosui Shigemune, as a private enterprise to manufacture electric motors at Kyobashi, Tokyo. In 1913 the company moved into the new factory at Osaki, Shinagawa-ku, Tokyo. (The present sites of the main office and Osaki Factory.)

In June, 1917 the company was changed to a joint stock company with a capital of ¥2,000,000. and Mr. Hosui Shigemune was elected director and president. The company's present capital is ¥160,000,000.

In 1935 the Nagoya Factory was built.

In 1937 the Haneda Factory was built. (Ground area 15,000 Tsubo and floor space approximately 7,000 Tsubo.) Due to the extension of Haneda Air Base after the termination of the world war 2, the company's Haneda Factory has become unuseable and currently being occupied by occupation forces under procurement command.

In 1938 Shinagawa Factory was purchased.

In 1938 Mr. Fuz Shigemune, the younger brother of Mr. Hosui Shigemune, was elected president of the company.

The company is one of the five large electric machine manufacturers and the oldest electric motor manufacturer in Japan. In fact Meidensha is the pioneer of induction motors in Japan.

During the world war 2 the company had under its control 17 factories, including some factories relocated into countries. After the termination of the world war 2, some inefficient factories were disposed and at present the company has 3 main factories and 2 small factories.

At Osaki Factory the company manufactures large and medium sized generators (A.C. & D.C.), electric motors of all kinds (A.C. & D.C.), rotary converters, transformers, induction voltage regulators etc.

At Shinagawa Factory the company manufactures, switch boards, switches of various type, control apparatus, electric hoist, electric ranges and other domestic apparatus, meters, crystal (Quartz) oscillators, etc.

Nagoya Factory produces standard induction motors for general purpose, up to 15 H.P.; loom motors, textile mill motors etc.

At Heisaka Factory company makes casting for motor parts, cast iron valves etc.

Itabashi Factory produces a part of copper strips and bars for the company's own use.

It is a great handicap for the company, for the Haneda Factory, where large generators and transformers had been manufactured, become unuseable.

2. Capital

Authorized capital	¥ 160,000,000.
Paid up capital	¥ 160,000,000.
Number of shares	3,200,000. (Face value of each share is ¥50. fully paid up)

3. Shareholders (As of 28 June, 1951)

Number of shareholders	2,640
------------------------	-------

Large shareholders:

Yuzo Shigemune	196,436 shares
Nobumasa Shigemune	119,289 "
Tokyo Kaijo Kasai Hoken K.K.	110,000 "
(Tokyo Marine & Fire Insurance K.K.)	
Fukoku Seimei K.K.	105,000 "
(Fukoku Life Insurance Co.)	
Yamaichi Bond & Share Co.	87,100 "

Number of shareholders, holding more than 10,000 shares	44
Number of shareholders, holding from 5,000 to 9,999 shares	38
Number of shareholders, holding from 1,000 to 4,999 shares	240
Number of shareholders, holding from 500 to 999 shares	343
Number of shareholders, holding from 100 to 499 shares	1,380
Number of shareholders, holding less than 100 shares	595

Many employees of the company are shareholders.

4. Officers

Officer representing the company:

Mr. Yuzo Shigemune, director and president and a member of upper house.

Executive directors:

Mr. Chuichi Kanazawa
Mr. Shinichi Hino

The most of the company's directors have risen from employees.

5. Factories of Meidensha Electric Mfg. Co., Ltd.

<u>Name of Factory</u>	<u>Location</u>	<u>Ground</u>	<u>Floor</u>
		<u>Area</u>	<u>space</u>
		Tsubo	Tsubo
1) Main office and Osaka Factory (Rotating machines, transformers, induction voltage regulators etc.)	Tokyo	15,452	9,218
2) Shinagawa Factory (Switch gears, hoists, crystals, heating apparatus)	Tokyo	6,055	4,327
3) Nagoya Factory (General purpose motors up to 15 H.P.)	Aichi Pref.	26,626	5,409
4) Heisaka Factory (Casting, motor parts, valves etc.)	Aichi Pref.	3,500	1,829
5) Haneda Factory (Not in operation)	Haneda Tokyo	25,884	9,381

Haneda Factory became unuseable, due to the extension of Haneda Air Base, and currently it is being used by Occupation Force under Procurement Demand.

Note: 1 Tsubo = 36 sq. ft. (6 ft. x 6 ft.)

6. Production Facilities

a) Large Machines:

<u>Name</u>	<u>Size</u>
1) Horizontal Boring Machine	Shaft 115 mm; up and down movement 1,400mm
2) Radial Drill	Arm length 6 ft. 5.5KW and 2KW motors direct connected
3) Radial Drill	Arm length 6 ft. 5H.P. motor
4) Radial Drill	Arm length 6 ft. 7.5H.P. motor
5) Standard Lathe	28 ft. Bed 10H.P. motor
6) Standard Lathe	36 ft. Bed 15H.P. motor
7) Special Lathe	24 ft. Bed 30H.P. motor
8) Vertical Boring and Turning Mill	Diameter of Table 5,000mm 30H.P. & 7.5H.P. motor
9) Vertical Boring and Turning Mill	Diameter of Table 3,000mm 20H.P. & 5H.P. motors
10) Vertical Boring and Turning Mill	Diameter of Table 2,000mm 15H.P. & 5H.P. motors
11) Special Turning Mill	Diameter of Table 5,000mm (Tarret type)
12) Vertical slotting machine	Stroke 1,000mm 15H.P. motor
13) Vertical slotting machine	Stroke 2,000mm portable type
14) Standard planer	Size of Table 1,350mm x 5,137mm 40H.P. & 10H.P. motors
15) Open side planer	Table length 5,500mm (Side type)

In addition to large machines stated above, the company has machines as follows:

b) Other machines:

<u>Name</u>	<u>Number of Machines</u>				<u>Total</u>
	<u>Osaki</u>	<u>Shinagawa</u>	<u>Nagoya</u>	<u>Heisaka</u>	
1) Lathe	115ea	106ea	87ea	28ea	336ea
2) Drills	73	79	50	12	124
3) Grinders	45	44	21	4	114
4) Horizontal boring machines	2	3	1	1	7
5) Sloters and horizontal planers	30	23	23	6	82
6) Hack saws	14	10	5	2	31
7) Gear cutting machines	None	7	None	None	7
8) Press	28	27	28	4	87
9) Shears	110	25	73	5	222
10) Coil winding machines	72	54	89	1	216
11) Hoists and cranes	69	24	15	2	110
12) Motors (Electric)	637	389	142	47	1,215
13) Transformers	145	71	48	12	276

7. Production Capacity

Item	Size	Quantity per month
1) A.C. Generator (1KVA to 25,000KVA)	(1KVA up to 100KVA)	100 ea
2) Synchronous motors	(100KVA up to 500-KVA)	10 ea
3) Induction Motor (3-phase)	(Large ones)	1 ea
4) Induction Motor (Single phase)	1/2 HP up to 15HP	3,000 ea
5) Electric hoist	20HP up to 100HP	100 ea
6) Phase advancer	above 150HP	10 ea
7) Frequency changer	1/2 HP and 1 HP	250 ea
8) D.C. Motors	1/2 ton up to 10 ton	50 ea
9) D.C. Generators	up to 5,000KW	1 ea
10) Fraction Motor & Controller	(1/2 KW up to 100KW)	50 ea
11) Motor Generator	(Large ones up to 500KW)	
12) High frequency generator	up to 150HP	10 ea
13) Rotary converter	up to 500KW	10 ea
14) Dynamometer	up to 100KW	20 ea
15) Transformers	up to 2,000KW	1 ea
16) (3KVA up to 25,000KVA)	up to 400 HP	5 ea
	3KVA up to 20KVA	100 ea
	30KVA up to 50KVA	50 ea
	50KVA up to 500KVA	10 ea
	above 500KVA	5 ea
16) Instrument transformers		200 ea
P.T. & C.T.		
17) Oil Filter and Oil Tester		5 ea
18) Induction voltage regulator	1KVA up to 600KVA	10 ea
19) Switch Board panel		100 ea
20) Switch	Large	5 ea
	Small	1,000 ea
21) Controlling devices		250 ea
22) Crystal Oscillators for wireless		2,000 ea
23) Electric ranges		250 ea
((.5KW Domestic)		
24) Refrigerator		50 ea
25) Heater (Space or Room)	(1KW & 2KW)	1,000 ea
26) Automatic voltage regulator		10 ea
27) Lightning Arresters A.C. & D.C.		50 sets
28) Electric wiring & construction work		
29) Installation of Electric Machines		
30) Oil burner for water heater		150 ea

8. Employment Condition

Number of Employees: (as of Apr. 1951)

	Male	Female	Total
Main Office	165	51	216
Design and Material			
Dep't	131	19	150
Osaki Factory	737	90	827
Shinagawa Factory	497	59	556

Itabashi Factory	23	2	25 (Copper Mill)
Nagoya Factory	437	71	508
Heisaka Factory	132	14	146
Total	2,122	306	2,428

Number of years Employees in service:

From 10 to 15 years	434
From 16 to 20 years	125
More than 20 years	61

The most of the company's factory workers are living near factories. In many cases 2 or 3 people from a family are working in the company. Due to the inflation after the termination of the world war 2, like the most of Japanese working people the company's employees had experienced hardship, but any dispute, that had come up, had been settled by negotiation. In fact the company has no strike in its history. The most of the company's employees are contented and happy.

9. Production

The company's production in the past two years are as follows:

<u>Six(6) months ending</u>	<u>Total production in Yen</u>
March 31, 1950	¥ 494,658,000.
Sept. 30, 1950	397,562,000.
March 31, 1951	817,165,000.
Sept. 30, 1951	1,203,447,000.

Principle raw materials are purchased from companies as follows:

Silicon steel sheets	Yanata Iron work and Kawasaki Iron Work
Copper Wires	Furukawa Electric Industry K.K.
Steels	Sumitomo, Hitachi and Fujikura
	Yanata Iron Work, Fuji Iron Work, Kawasaki Iron Work, Toto Steel Co., etc.
Shafts	Nagasaki Steel work, Kobe Steel, Nisso Steel, Hitachi and Nippon Steel Co.
Cast Iron	Nagatane Casting K.K. Honjo Casting K.K. Hamasho and a large part of casting is made in the company's own factories.
Cast Steel	Nippon Steel Co., Nisso Steel and Fukushi manufacturing Co.

10. Principal Customers

- a) The company's principal customers are electric utility companies, railway companies, Japanese government, steel mills, industrial plants, textile mills, weaving mills, various mines, ship yards, occupation forces, farms, cottage shops, exports etc.

After the termination of the world war 2, the company had been and is steel supplying electric machines and apparatus to 8th Army (At present Japan Logistical Command), Far East Air Force etc., such as, electric ranges and other domestic apparatus, electric motors, transformers, engine driven generators, oil burner blowers and control apparatus, switch gears, explosion proof motors and switching equipment for F.O.L. and Hydrant systems, crystal oscillators and radar motors etc.

- b) The company is also exporting electric motors, generators, transformers and switching equipment to India, Pakistan, Burma, Thai, Philippine, Farnosa, Australia, and other countries in the Far East. Approximately 60 per cent of total iron and textile machines motors exported from Japan to oriental countries in the last three or four years were Meidensha motors.

- c) Cost analysis of products:

	<u>Rotating machines</u>	<u>Trans. formers</u>
Materials	54.6 %	57.5
Labor	19.4	10.6
General exp.	12.6	9.8
Profit	13.4	12.1

11. Large induction motors supplied in last ten years (500HP up to 990HP)

<u>Output</u> <u>H.P.</u>	<u>No. of</u> <u>poles</u>	<u>Customers</u>	<u>Quantity</u>	<u>Year</u> <u>Delivered</u>
1) 850	16	Tokyo Elec. Light	2	1940
2) 600	18	Otani Steel Work	1	1940
3) 600	24	Nakano Gumi	1	1940
4) 500	8	Kojima Iron Work	1	1940
5) 500	8	Nagoya Municipal	5	1941
6) 500	12	Nippon Elec. Co.	1	1941
7) 500	8	Kojima Iron Work	1	1941
8) 500	12	Ube Iron Work	1	1941
9) 600	14	Otani Steel Work	2	1941
10) 500	14	Otani Steel Work	2	1941
11) 800	12	Nakano Gumi	1	1942
12) 850	8	Yonei & Co.	1	1942
13) 500	12	Otani Heavy Industry	1	1942
14) 500	4	Kahoku Dengyo	12	1942
15) 500	12	Toa Special Steel	1	1942
16) 600KW	12	Sumitomo Elec. Co.	1	1940
17) 800	24	Showa Elec. Co.	1	1948
18) 600	14	Naigai Trading K.K.	1	1948

19)	800	24	Showa Elec. Co.	1	1949
20)	650	8	Amakura Co.	1	1949
21)	500	4	Nippon Mining Co.	2	1950
22)	400KW	6	Amakura Seisakusho	1	1950
23)	950	4	Nippon Power Generation & Transmission Co.	1	1950
24)	950	4	Ditto	1	1950
25)	500	6	Toyo Manka K.K.	1	1950
26)	600	8	Nippon Power Generation & Transmission Co.	1	1950
27)	950	8	Nosangyo K.K.	1	1951
28)	800	16	Nippon Roll Mill	1	1951
29)	500	14	Shimada Steel Co.	1	1951
30)	380	4	Kansai Elec. Power Co.	1	1951
31)	950	4	Kansai Elec. Power Co.	1	1951
32)	500	18	Kansai Elec. Power Co.	1	1951
33)	500	16	For Company's use	1	1951
34)	700	18	Kansai Elec. Power Co.	2	1951
35)	880	4	Kansai Elec. Power Co.	1	1951
36)	880	4	Kansai Elec. Power Co.	1	1951

12. Large synchronous motors supplied in the last ten years (375KVA-1,000KVA)

	Capacity in K.V.A.	No. of Unit	No. of poles	Cycle	Volt	Customers	Year Delivered
1)	625	2	4	50	440	Ramakrishna	1951
2)	450	2	6	60	225	Uraga Dock Co.	1947
3)	500	2	6	60	450	Hitachi Dockyard	1951
4)	750	1	8	50	415/240	Australia	1950
5)	563	1	10	50	3,300	Mitsukoshi Dep't Store	1951
6)	610	1	10	60	3,300	Chugoku Elec. Power Co.	1951
7)	400	1	10	60	3,500	Kyusyu Elec. Power Co.	1951
8)	500	2	14	50	400/231	Habibulla Co.	1951
9)	500	1	20	60	3,300	Taiwan Elec. Power Co.	1950
10)	500	2	40	60	3,300	Nippon Metallurgy Co.	1951
11)	1,000	1	22	50	3,000	Daishowa Paper Co.	1951

13. For other large machines supplied by the company are as shown in the attached
"General outline of Meidensha" as follows:

- (A) Hydro power plant generator
 - 1. Vertical type (1000KVA and above)
 - 2. Horizontal type (1000KVA and above)
- (B) 1. Mill Motors (1000HP and above)
- (C) 1. Transformers (5000KVA and above)

Meidensha Electric Mfg. Co., Ltd.

Balance Sheet

As of Sept. 30, 1941

Assets	Liabilities and Net Worth
Current Assets in Japan	Current Liabilities in Japan
¥ 797,900,890	¥ 738,311,126
Investment in Japan	Long-Term Liabilities in Japan
8,029,234	8,250,000
Fixed Assets in Japan	Deferred Income
76,459,272	None
Deferred Charges	Liabilities Reserves
None	35,823,767
Intangible Assets	Other Liabilities in Japan
None	None
Other Assets in Japan	Overseas Liabilities
1,335,597	None
Overseas Assets	Total Liabilities
None	782,384,893
	Net Worth
	101,340,100
Total Assets	Total Liabilities and Net Worth
883,724,993	883,724,993

Meidensha Electric Mfg. Co., Ltd.

Profit and Loss Statement

For 6 Months Ending Sept. 30, 1949

Operating Revenue (Net Sales)	¥ 508,870,271
Less; Cost of Product sold	438,054,957
Gross Profit	70,815,314
Less; Operating Expenses	48,106,669
Net Operating Profit	22,708,645
Plus; Non-Operating Income	2,758,349
Gross Income	25,466,994
Less; Non-Operating Expenses	23,965,118
Net Profit	1,501,876

Meidensha Electric Mfg. Co., Ltd.

Balance Sheet

As of Mar. 31, 1950

Assets	Liabilities and Net Worth
Current Assets in Japan	Current Liabilities in Japan
¥ 917,881,804	¥ 692,751,559
Investment in Japan	Long-Term Liabilities in Japan
22,775,233	130,000,000
Fixed Assets in Japan	Deferred Income
47,043,397	None
Deferred Charges	Liabilities Reserves
3,65 ,000	33,100,000
Intangible Assets	Other Liabilities in Japan
None	None
Other Assets in Japan	Overseas Liabilities
None	None
Overseas Assets	Total Liabilities
None	865,851,559
	Net Worth
	135,504,880
Total Assets	Total Liabilities and Net Worth
991,356,439	991,356,439

Meidensha Electric Mfg. Co., Ltd.

Profit and Loss Statement

For 6 Months Ending Mar. 31, 1950

Operating Revenue (net Sales)	¥ 444,925,473
Less; Cost of Product sold	349,582,507
Gross Profit	95,342,966
Less; Operating Expense	54,728,028
Net Operating Profit	40,614,938
Plus; Non-Operating Income	14,453,224
Gross Income	55,068,162
Less; Non-Operating Expenses	84,653,382
Net Profit	- 29,585,220

Meidensha Electric Mfg. Co., Ltd.

Balance Sheet

As of Sept. 30, 1950

Assets	Liabilities and Net Worth
Current Assets in Japan	Current Liabilities in Japan
¥ 1,165,116,294	¥ 1,009,164,661
Investment in Japan	Long-Term Liabilities in Japan
24,570,642	130,000,000
Fixed Assets in Japan	Deferred Income
397,025,507	None
Deferred Charges	Liabilities Reserves
3,260,000	32,000,000
Intangible Assets	Other Liabilities in Japan
None	None
Other Assets in Japan	Overseas Assets
None	None
Overseas Assets	Total Liabilities in Japan
None	1,171,164,661
	Net Worth
	418,807,782
Total Assets	Total Liabilities and Net Worth
1,589,972,443	1,589,972,443

Meidensha Electric Mfg. Co., Ltd.

Profit and Loss Statement

For 6 Months Ending Sept. 30, 1960

Operating Revenue (Net Sales)	¥ 415,851,064
Less; Cost of Product sold	349,696,101
Gross Profit	66,154,963
Less; Operating Expenses	68,074,703
Net Operating Profit	- 1,919,740
Plus; Non-Operating Income	13,497,862
Gross Income	12,078,122
Less; Non-Operating Expenses	47,401,464
Net Profit	- 35,123,342

Meidensha Electric Mfg. Co., Ltd.

Balance Sheet

As of Mar. 31, 1951

Assets	Liabilities and Net Worth
Current Assets in Japan	Current Liabilities in Japan
¥ 1,473,672,057	¥ 1,289,714,347
Investment in Japan	Long-Term Liabilities in Japan
20,893,461	130,000,000
Fixed Assets in Japan	Deferred Income
896,502,212	None
Deferred Charges	Liabilities Reserves
2,870,000	32,000,000
Intangible Assets	Other Liabilities in Japan
None	None
Other Assets in Japan	Overseas Liabilities
None	None
Overseas Assets	Total Liabilities
None	1,451,714,347
	Net Worth
	442,223,583
Total Assets	Total Liabilities and Net Worth
1,893,937,730	1,893,937,730

Maidensha Electric Mfg. Co., Ltd.

Profit and Loss Statement

For 6 Months Ending Mar. 31, 1951

Operating Revenue (Net Sales)	¥ 794,669,009
Less; Cost of Product sold	641,108,089
Gross Profit	153,560,920
Less; Operating Expenses	100,932,805
Net Operating Profit	52,628,115
Plus; Non-Operating Income	17,402,928
Gross Income	70,031,043
Less; Non-Operating Expenses	46,615,442
Net Profit	23,415,601